



# RoadCharm

## BRP471 LED 145/NW 110W 220-240V DME

RoadCharm, 14500 lm, 110 W, 740 neutral white, Safety class I, Side-entry for diameter 48 to 60 mm

Developed with the aim to become your long term partner ,the system ready architecture of RoadCharm enables you to enjoy the benefits of connected lighting systems today and also gets the city ready for the innovations to come. It is designed to achieve better light uniformity and a maximum spacing between poles for both pedestrian and vehicle road applications. With its die-cast aluminum housing and Philips LED platform, it is easy to maintain, has a long lifetime, and a consistency you can count on. It also offers 2 housing sizes and a range of beam optics to fully cater to different road configurations and conditions. RoadCharm offers 50% energy savings compared to conventional lamp systems, making it the perfect sustainable lighting solution for any emerging metropolis.

### Product data

General Information		Color rendering index (CRI)	
Light source replaceable	No		>70
Driver included	Yes	Light source color	740 neutral white
Light source engine type	LED	Optical cover type	Polycarbonate micro lens optic
CE mark	CE mark	<b>Operating and Electrical</b>	
Flammability mark	For mounting on normally flammable surfaces	Input Voltage	220 to 240 V
ENEC mark	-	Line Frequency	50 or 60 Hz
<b>Light Technical</b>		Power Consumption	110 W
Luminous Flux	14,500 lm	Power Factor (Fraction)	0.9
Standard tilt angle posttop	-	Connection	Mains outlet socket
Correlated Color Temperature (Nom)	4000 K	Cable	-
Luminous Efficacy (rated) (Nom)	130 lm/W		

# RoadCharm

## Temperature

Ambient temperature range	-40 to +50 °C
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## Controls and Dimming

Dimmable	No
Control interface	-
Constant light output	No

## Mechanical and Housing

Housing Material	Aluminum die cast
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Housing Color	Gray
Mounting device	Side-entry for diameter 48 to 60 mm
Optical cover shape	Ball, globular
Optical cover finish	Clear
Overall length	719 mm
Overall width	367 mm
Overall height	111 mm
Effective projected area	0.23 m <sup>2</sup>
Dimensions (Height x Width x Depth)	111 x 367 x 719 mm

## Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
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Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 15 kV differential mode and 15 kV common mode

Protection class IEC	Safety class I
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## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM < 5
Power consumption tolerance	+/-10%

## Product Data

Order product name	BRP471 LED 145/NW 110W 220-240V DME
Full product name	BRP471 LED 145/NW 110W 220-240V DME
Full product code	872016972473000
Order code	911401658705
Material Nr. (12NC)	911401658705
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169724730
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169724730

## Dimensional drawing

